Contents

Abe, K., s. Nakamura, S., et al. 295
Adolph, S., s. Djalali, M., et al. 157
Aiello, V., s. Calzolari, E., et al. 51
Airaksinen, E., s. Kähkönen, M., et al. 85
Aleixandre, C., Miller, D. A., Mitchell, A. R., Warburton, D. A., Gersen, S. L., Disteche, C., Miller, O. J.: p82H identifies sequences at every human centromere (Orig. invest.) . 46
Alitalo, T., s. Kähönen, M., et al. 85
Alvesalo, L., Tammisalo, E., Therman, E.: 47,XXX females, sex chromosomes, and tooth crown structure (Orig. invest.) 345
Ambros, P. F., Karlic, H. I.: Chromosomal insertion of human papillomavirus 18 sequences in HeLa cells detected by non-isotopic in situ hybridization and reflection contrast microscopy (Orig. invest.) 251
Andria, G., s. Ballabio, A., et al. 338
Arinami, T., Kondo, I., Hamaguchi, H., Tamura, K., Hirano, T.: A fragile X female with Down syndrome (Clinical case report) 92
Arveiler, B., s. Oberlé, I., et al. 60
Arveiler, B., s. Malcolm, S., et al. 172
Ashbel, S., s. Bonné-Tamir, B., et al. 76
Autio, S., s. Kähkönen M., et al. 85

Baas, F., s. Landegent, J. E., et al. 366
Bacchus, C., Sterz, H., Buselmaier, W., Sahai, S., Winking, H.: Genesis and systematization of cardiovascular anomalies and analysis of skeletal malformations in murine trisomy 16 and 19. Two animal models for human trisomies (Orig. invest.) 12
Baker, E., s. Callen, D. F., et al. 142
Baker, E. G., s. Callen, D. F., et al. 236
Ballabio, A., Sebastio, G., Carrozzo R., Parenti, G., Piccirillo, A., Persico, M. G., Andria, G.: Deletions of the steroid sulphatase gene in "classical" X-linked ichthyosis and in X-linked ichthyosis associated with Kallmann syndrome (Orig. invest.) 338
Barichard, F., Joulin, V., Henry, I., Garel, M.-C., Valentin, C., Rosa, R., Cohen-Solal, M., Junien, C.: Chromosomal assignment of the human 2,3-bisphosphoglycerate mutase gene (BPGM) to region 7q34→7q22 (Orig. invest.) 283
Barretto, O. C. de O., Nonoyama, K.: Gd(+) Cuiabá, a new rare glucose-6-phosphate dehydrogenase variant presenting normal activity (Short comm.) 201
Bassett, M. L., s. Powell, L. W., et al. 55
Bates, B.-J. G., s. Kuhn, E. M., et al. 214
Bauer, I., s. Berger, W., et al. 197
Berg, C. T. van den, s. Bissbort, S., et al. 277
Berger, R., s. Rousseau-Merck, M. F., et al. 280
Berger, W., Hein, J., Gedschold, J., Bauer, I., Speer, A., Farrall, M., Williamson, R., Coutelle, C.: Crossovers in two German cystic fibrosis families determine probe order for MET, 7C22 and XV-2c/CS.7 (Short comm.) 197
Bernardi, F., s. Calzolari, E., et al. 51
Bestwick, R., s. Buroker, N., et al. 175
Bissbort, S., Hitzeroth, H. W., Berg, C. T. van den, Wienker, T. F.: Linkage relationship between the genes for adenosine deaminase and S-adenosyl-homocysteine hydrolase on human chromosome 20 (Orig. invest.) 277
Blin, N., s. Meese, E., et al. 349
Bobrow, M., s. Hart, K. A., et al. 88
Boivin, P., s. Lecomte, M. C., et al. 329
Boksch, W., s. Giles, C. B., et al. 359
Bonné-Tamir, B., Papiha, S. S., Ashbel, S., Brok-Simoni, F., Kende, G., Ramot, B.: PGI*3(Israel), a new, unstable allele in the phosphoglucose isomerase system (Orig. invest.) 76
Borgmann, S., s. Eiben, B., et al. 137
Bouchard, C., s. Marcotte, M., et al. 200
Boulay, M. R., s. Marcotte, M., et al. 200
Bournier, O., s. Lecomte, M. C., et al. 329
Braga, S., s. Liechti-Gallati, S., et al. 267
Braun, M., s. Giles, C. M., et al. 359
Brink, P. A., Steyn, L. T., Coetzee, G. A., Van der Westhuyzen, D. R.: Familial hypercholesterolemia in South African Afrikaners. PvuII and StuI DNA polymorphisms in the LDL-receptor gene consistent with a predominating founder gene effect (Orig. invest.) 32
Brodehl, J., s. Wirth, B., et al. 221
Brok-Simoni, F., s. Bonné-Tamir, B., et al. 76
Bruns, G., s. Harris, P., et al. 95
Buchler, D. A., s. Kuhn, E. M., et al. 210
Buist, N. R. M., s. Natt, E., et al. 352
Buono, P., s. Paolella, G., et al. 115
Buroker, N., Bestwick, R., Haight, G., Magenis, R. E., Litt, M.: A hypervariable repeated sequence on human chromosome 1p36 (Orig. invest.) 175
Buselmaier, W., s. Bacchus, C., et al. 12
Buys, Ch. H. C. M., s. Scheffer, H., et al. 335

Callard, R. E., s. Malcolm, S., et al. 172
Callen, D. F., Baker, E., Simmers, R. N., Seshadri, R., Roninson, I. B.: Localization of the human multiple drug resistance gene, *MDR1*, to 7q21.1 (Orig. invest.) 142
Callen, D. F., Mulley, J. C., Baker, E. G., Sutherland, G. R.: Determining the origin of human X isochromosomes by use of DNA sequence polymorphisms and detection of an apparent i(Xq) with Xp sequences (Orig. invest.) 236
Calzolari, E., Palazzi, P., Aiello, V., Mazzeo, E., Perri, P., Minelli, A., Senno, L. del, Patracchini, P., Bernardi, F.: De novo complex autosomal translocation involving chromosomes 8, 13 and 15 in a girl with a sporadic retinoblastoma (Orig. invest.) 51
Camerino, G., s. Oberlé, I., et al. 60
Carrozzo, R., s. Ballabio, A., et al. 338
Chagnon, M., s. Marcotte, M., et al. 200
Chaveroche, I., s. Lecomte, M. C., et al. 329
Chelly, J., s. Marlhens, F., et al. 379
Cheshire, J. K., s. MacDermot, K. D., et al. 263
Claus, D., s. Wirth, B., et al. 221
Cleve, H., s. Weidinger, S., et al. 286
Clow, C. L., s. Scriver, C. R., et al. 168
Coetzee, G. A., s. Brink, P. A., et al. 32
Cohen-Solal, M., s. Barichard, F., et al. 283
Cooper, D. N., Schmidtke, J.: Diagnosis of genetic disease using recombinant DNA. Supplement (Orig. invest.) . . . 66
Côté, C., s. Marcotte, M., et al. 200
Coutelle, C., s. Berger, W., et al. 197
Cremers, F. P. M., Pfeiffer, R. A., dePol, T. J. R. van, Hofker, M. H., Kruse, T. A., Wieringa, B., Ropers, H. H.: An interstitial duplication of the X chromosome in a male allows physical fine mapping of probes from the Xq13–q22 region (Orig. invest.) 23
Cross, P. K., Hook, E. B.: An analysis of paternal age and 47,+21 in 35,000 new prenatal cytogenetic diagnosis data from the New York State Chromosome Registry: no significant effect (Controversy) 307
Czeizel, A., Losonci, A.: Split hand, obstructive urinary anomalies and spina bifida or diaphragmatic defect syndrome with autosomal dominant inheritance (Clinical case report) . . 203

Davies, K. A., Lorand, L., Waterfield, M., Wainwright, B., Farrall, M., Williamson, R.: Isolation of a polymorphic genomic clone from chromosome 7. Physical and genetic linkage studies to markers around the cystic fibrosis locus (Orig. invest.) 122
Debre, M., s. Malcolm, S., et al. 172
Delafontaine, D., s. Luciani, J. M., et al. 246
Deubelbeiss, C., s. Schmid, M., et al. 118
Dhermy, D., s. Lecomte, M. C., et al. 329

Diaz-Chico, J. C., s. Efremov, G. D., et al. 132
Dietrich, A. J. J., s. Garcia, M., et al. 223
Dill, F. J., s. Kalousek, D. K., et al. 163
Dirks, R. W., s. Landegent, J. E., et al. 366
Disteche, C., s. Aleixandre, C., et al. 46
Djalali, M., Adolph, S., Steinbach, P., Winking, H., Hameister, H.: A comparative mapping study of fragile sites in the human and murine genomes (Orig. invest.) 157
Dörner, K., s. Pankau, R., et al. 292
Dutrillaux, B., s. Marlhens, F., et al. 379

Eddy, R., s. Neer, E. J., et al. 259
Efremov, G. D., Gjorgovski, I., Stojanovski, N., Diaz-Chico, J. C., Harano, T., Kutlar, F., Huisman, T. H. J.: One haplotype is associated with the Swiss type of hereditary persistence of fetal hemoglobin in the Yugoslavian population (Orig. invest.) 132
Efremov, G. D., s. Lanclos, K. D., et al. 40
Egozcue, J., s. Garcia, M., et al. 223
Eiben, B., Borgmann, S., Schübbe, I., Hansmann, I.: A cytogenetic study directly from chorionic villi of 140 spontaneous abortions (Orig. invest.) 137
Eriksson, A. W., s. Evers, M. P. J., et al. 182
Evers, M. P. J., Zelle, B., Peeper, D. S., Mager, W. H., Planta, R. J., Eriksson, A. W., Frants, R. R.: Molecular cloning of a pair of human pepsinogen A genes which differ by a Glu→Lys mutation in the activation peptide (Orig. invest.) . . . 182

Farrall, M., s. Berger, W., et al. 197
Farrall, M., s. Davies, K. A., et al. 122
Feichtinger, W., s. Schmid, M., et al. 118
Feo, C., s. Lecomte, M. C., et al. 329
Ferluga, J., s. Powell, L. W., et al. 55
Fischbach, M., s. Wirth, B., et al. 221
Fischer, A., s. Malcolm, S., et al. 172
Flint, A., s. Harris, P., et al. 95
Francomano, C. A., s. Killen, P. D., et al. 318
Frants, R. R., s. Evers, M. P. J., et al. 182
Fredga, K., s. Wiberg, U. H. 6
Freixa, L., s. Garcia, M., et al. 223
Fukushima, Y., Kuroki, Y., Ito, T., Kondo, I., Nishigaki, I.: Familial retinoblastoma (mother and son) with 13q14 deletion (Orig. invest.) 104

Gabriel-Robez, O., s. Luciani, J. M., et al. 246
Gal, A., s. Weber, B., et al. 145
Gal, A., s. Wirth, B., et al. 221
Galand, C., s. Lecomte, M. C., et al. 329
Garbarz, M., s. Lecomte, M. C., et al. 329
Garcia, M., Dietrich, A. J. J., Freixa, L., Vink, A. C. G., Ponsà, M., Egozcue, J.: Development of the first meiotic prophase stages in human fetal oocytes observed by light and electron microscopy (Orig. invest.) 223
Garel, M.-C., s. Barichard, F., et al. 283
Gautero, H., s. Lecomte, M. C., et al. 329
Gedde-Dahl, T., s. Geitvik, G. A., et al. 205
Gedschold, J., s. Berger, W., et al. 197
Geisert, J., s. Wirth, B., et al. 221
Geitvik, G. A., Høyheim, B., Gedde-Dahl, T., Grzeschik, K. H., Lothe, R., Tomter, H., Olaisen, B.: The Kidd (JK) blood group locus assigned to chromosome 18 by close linkage to a DNA-RFLP (Orig. invest.) 205
Gersen, S. L., s. Aleixandre, C., et al. 46
Gil, R., s. López-Ginés, C., et al. 294
Gil, R., López-Ginés C., Gregori-Romero, M., Sánchez, M. D., Pellin, A.: Reciprocal translocation t(1;18)(p32;q21) in a patient with some phenotypical anomalies (Case observed) 384
Giles, C. M., Uring-Lambert, B., Boksch, W., Braun, M., Goetz, J., Neumann, R., Mauff, G., Hauptmann, G.: The study of a French family with two duplicated C4A haplotypes (Orig. invest.) 359
Gille, J. J. P., Wortelboer, H. M., Joenje, H.: Antioxidant status of Fanconi anemia fibroblasts (Orig. invest.) 28
Gjorgovski, I., s. Efremov, G. D., et al. 132
Goetz, J., s. Giles, C. M., et al. 359
Goodship, J. A., s. Malcolm, S., et al. 172
Gregori-Romero, M., s. Gil, R., et al. 384
Gregori-Romero, M., s. López-Ginés, C., et al. 294
Greig, G. M., s. Waye, J. S., et al. 151
Griscelli, C., s. Malcolm, S., et al. 172
Grohé, G., s. Zeindl-Eberhart, E., et al. 371
Grote, W., s. Pankau, R., et al. 292
Grzeschik, K. H., s. Geitvik, G. A., et al. 205
Guichaoua, M. R., s. Luciani, J. M., et al. 246

Hager, H.-D., s. Harzer, K., et al. 342
Haight, G., s. Buroker, N., et al. 175
Halliday, J. W., s. Powell, L. W., et al. 55
Hamaguchi, H., s. Arinami, T., et al. 92
Hameister, H., s. Djalali, M., et al. 157
Hanauer, A., s. Oberlé, I., et al. 60
Hansmann, I., s. Eiben, B., et al. 137
Harano, T., s. Efremov, G. D., et al. 132
Harpey, J. P., s. Marlhens, F., et al. 379
Harris, P., Lalande, M., Stroh, H., Bruns, G., Flint, A., Latt, S. A.: Construction of a chromosome 16-enriched phage library and characterization of several DNA segments from 16p (Orig. invest.) 95
Hart, K. A., Monaco, A. P., Kunkel, L. M., Bobrow, M.: A small deletion in the Duchenne/Becker muscular dystrophy locus – a functionally important region? (Short comm.) . 88
Harzer, K., Hager, H.-D., Tariverdian, G.: Prenatal enzymatic diagnosis and exclusion of Krabbe's disease (globoid-cell leukodystrophy) using chorionic villi in five risk pregnancies (Orig. invest.) 342
Hauptmann, G., s. Giles, C. M., et al. 359
Hein, J., s. Berger, W., et al. 197
Henry, I., s. Barichard, F., et al. 283
Hildebrand, K., s. Martin, R. H., et al. 108
Hirano, T., s. Arinami, T., et al. 92
Hirsiger, H., s. Liechti-Gallati, S., et al. 267
Hitzeroth, H. W., s. Bissbort, S., et al. 277
Hofker, M. H., s. Cremers, F. P. M., et al. 23
Hook, E. B.: Issues in analysis of data on paternal age and 47,+21: implications for genetic counseling for Down syndrome (Controversy) 303
Hook, E. B.: Appendix: A general regression model for analysis of independent maternal and paternal age effects for 47,+21 and other disorders that may arise from mutant gametes from either parent (Controversy) 314
Hook, E. B., s. Cross, P. K. 307
Høyheim, B., s. Geitvik, G. A., et al. 205
Huisman, T. H. J., s. Efremov, G. D., et al. 132
Huisman, T. H. J., s. Lanclos, K. D., et al. 40
Hunter, A. G., s. MacDonald, I. M., et al. 233

Ikeuchi, T., s. Sasaki, M., et al. 36
Ikeuchi, T., s. Scheffer, H., et al. 335
Ishimoto, K., s. Tada, H., et al. 289
Ito, K., s. Yuasa, I., et al. 255
Ito, T., s. Fukushima, Y., et al. 104
Iwama, T., s. Sasaki, M., et al. 36

Jandreski, M. A., Sole, M. J., Liew, C.-C.: Two different forms of beta myosin heavy chain are expressed in human striated muscle (Orig. invest.) 127
Jansen in de Wal, N., s. Landegent, J. E., et al. 366
Jenkins, M. B., Steffes, M. W.: Congenital thyroxine binding globulin deficiency: incidence and inheritance (Orig. invest.) 80
Joenje, H., s. Gille, J. J. P., et al. 28
Johannson, W., s. Pankau, R., et al. 292
Joulin, V., s. Barichard, F., et al. 283
Junien, C., s. Barichard, F., et al. 283

Kähkönen, M., Alitalo, T., Airaksinen, E., Matilainen, R., Launiala, K., Autio, S., Leisti, J.: Prevalence of the fragile

X syndrome in four birth cohorts of children of school age (Short comm.) . . . 85
Kalousek, D. K., Dill, F. J., Pantzar, T., McGillivray, B. C., Yong, S. L., Wilson, R. D.: Confined chorionic mosaicism in prenatal diagnosis (Orig. invest.) . . . 163
Kaneko, M., s. Tada, H., et al. . . . 289
Kaplan, J. C., s. Marlhens, F., et al. . . . 379
Kaplan, P., s. Scriver, C. R., et al. . . . 168
Karlic, H. I., s. Ambros, P. F. . . . 251
Kema, I. P., s. Scheffer, H., et al. . . . 335
Kende, G., s. Bonné-Tamir, B., et al. . . . 76
Kido, A., s. Komatsu, N., et al. . . . 385
Killen, P. D., Francomano, C. A., Yamada, Y., Modi, W. S., O'Brien, S. J.: Partial structure of the human α2(IV) collagen chain and chromosomal localization of the gene (COL4A2) (Orig. invest.) . . . 318
Klose, J., s. Zeindl-Eberhart, E., et al. . . . 371
Kohonen-Corish, M., s. Powell, L. W., et al. . . . 55
Komatsu, N., Kido, A., Oya, M.: The rare variant ADA 6–1. First detection in a Japanese population (Genetic variant register) . . . 385
Kondo, I., s. Arinami, T., et al. . . . 92
Kondo, I., s. Fukushima, Y., et al. . . . 104
Kondo, I., s. Scheffer, H., et al. . . . 335
Kruse, T. A., s. Cremers, F. P. M., et al. . . . 23
Kuhn, E. M., Sarto, G. E., Bates, B.-J. G., Therman, E.: Gene-rich chromosome regions and autosomal trisomy. A case of chromosome 3 trisomy mosaicism (Orig. invest.) . 214
Kuhn, E. M., Therman, E., Buchler, D. A.: Do individual allocyclic chromosomes in metaphase reflect their interphase domains? (Orig. invest.) . . . 210
Kunkel, L. M., s. Hart, K. A., et al. . . . 88
Kuroki, Y., s. Fukushima, Y., et al. . . . 104
Kutlar, F., s. Efremov, G. D., et al. . . . 132
Kutlar, F., s. Lanclos, K. D., et al. . . . 40

Lalande, M., s. Harris, P., et al. . . . 95
Lanclos, K. D., Patterson, J., Efremov, G. D., Wong, S. C., Villegas, A., Ojwang, P. J., Wilson, J. B., Kutlar, F., Huisman, T. H. J.: Characterization of chromosomes with hybrid genes for Hb Lepore-Washington, Hb Lepore-Baltimore, Hb P-Nilotic, and Hb Kenya (Orig. invest.) . . . 40
Landegent, J. E., Jansen in de Wal, N., Dirks, R. W., Baas, F., Ploeg, M. van der: Use of whole cosmid cloned genomic sequences for chromosomal localization by non-radioactive in situ hybridization (Orig. invest.) . . . 366
Latt, S. A., s. Harris, P., et al. . . . 95
Lau, Y. L., s. Malcolm, S., et al. . . . 172
Launiala, K., s. Kähkönen, M., et al. . . . 85
Lecomte, M. C., Dhermy, D., Garbarz, M., Feo, C., Gautero, H., Bournier, O., Picat, C., Chaveroche, I., Galand, C., Boivin, P.: Hereditary pyropoikilocytosis and elliptocytosis in a Caucasian family. Transmission of the same molecular defect in spectrin through three generations with different clinical expression (Orig. invest.) . . . 329
Lefrancois, D., s. Marlhens, F., et al. . . . 379
Leisti, J., s. Kähkönen M., et al. . . . 85
Lennert, T., s. Wirth, B., et al. . . . 221
Levinsky, R. J., s. Malcolm, S., et al. . . . 172
Liechti-Gallati, S., Braga, S., Hirsiger, H., Moser, H.: Familial deletion in Becker type muscular dystrophy within the pXJ region (Orig. invest.) . . . 267
Liew, C.-C., s. Jandreski, M. A., et al. . . . 127
Lindhout, D., s. Madan, K., et al. . . . 193
Litt, M., s. Buroker, N., et al. . . . 175
Long-Simpson, L., s. Martin, R. H., et al. . . . 108
Loosfelt, H., s. Rousseau-Merck, M. F., et al. . . . 280
López-Ginés, C., s. Gil, R., et al. . . . 384
López-Ginés, C., Gil, R., Gregori-Romero, M., Pellin, A.: An azoospermic male with reciprocal translocation t(1;15)(q11; p11) (Case observed) . . . 294
Lorand, L., s. Davies, K. A., et al. . . . 122
Losonci, A., s. Czeizel, A. . . . 203
Lothe, R., s. Geitvik, G. A., et al. . . . 205
Luciani, J. M., Guichaoua, M. R., Delafontaine, D., North, M. O., Gabriel-Robez, O., Rumpler, Y: Pachytene analysis in a 17;21 reciprocal translocation carrier: role of the acrocentric chromosomes in male sterility (Orig. invest.) . . . 246

MacDermot, K. D., Morgan, S. H., Cheshire, J. K., Wilson, T. M.: Anderson Fabry disease, a close linkage with highly polymorphic DNA markers DXS17, DXS87 and DXS88 (Orig. invest.) . . . 263
MacDonald, I. M., Sandre, R. M., Wong, P., Hunter, A. G. W., Tenniswood, M. P. R.: Linkage relationships of X-linked choroideremia to DXYS1 and DXS3 (Orig. invest.) . . 233
Madan, K., Lindhout, D., Palan, A.: Premature centromere division (PCD): a dominantly inherited cytogenetic anomaly (Orig. invest.) . . . 193
Magenis, R. E., s. Buroker, N., et al. . . . 175
Magenis, R. E., s. Natt, E., et al. . . . 352
Mager, W. H., s. Evers, M. P. J., et al. . . . 182
Malcolm, S., Saint Basile, G. de, Arveiler, B., Lau, Y. L., Szabo, P., Fischer, A., Griscelli, C., Debre, M., Mandel, J. L., Callard, R. E., Robertson, M. E., Goodship, J. A., Pembrey, M. E., Levinsky, R. J.: Close linkage of random DNA fragments from Xq 21.3–22 to X-linked agammaglobulinaemia (XLA) (Orig. invest.) . . . 172
Mandel, J. L., s. Malcolm, S., et al. . . . 172
Mandel, J. L., s. Oberlé, I., et al. . . . 60
Marcotte, M., Chagnon, M., Côté, C., Thibault, M.-C., Boulay, M. R., Bouchard, C.: Lack of genetic polymorphism in human skeletal muscle enzymes of the tricarboxylic acid cycle (Short comm.) . . . 200
Marlhens, F., Chelly, J., Kaplan, J. C., Lefrancois, D., Harpey, J. P., Dutrillaux, B.: Familial deletion of Xp21.2 with glycerol kinase deficiency and congenital adrenal hypoplasia (Short comm.) . . . 379
Martin, R. H., Rademaker, A. W., Hildebrand, K., Long-Simpson, L., Peterson, D., Yamamoto, J.: Variation in the frequency and type of sperm chromosomal abnormalities among normal men (Orig. invest.) . . . 108
Matilainen, R., s. Kähkönen, M., et al. . . . 85
Mauff, G., s. Giles, C. M., et al. . . . 359
Mazzeo, E., s. Calzolari, E., et al. . . . 51
McGillivray, B. C., s. Kalousek, D. K., et al. . . . 163
Meese, E., Blin, N., Zang, K. D.: Loss of heterozygosity and the origin of meningioma (Orig invest.) . . . 349
Michel, T., s. Neer, E. J., et al. . . . 259
Milgrom, E., s. Rousseau-Merck, M. F., et al. . . . 280
Miller, D. A., s. Aleixandre, C., et al. . . . 46
Miller, O. J., s. Aleixandre, C., et al. . . . 46
Minelli, A., s. Calzolari, E., et al. . . . 51
Misrahi, M., s. Rousseau-Merck, M. F., et al. . . . 280
Mitchell, A. R., s. Aleixandre, C., et al. . . . 46
Modi, W. S., s. Killen, P. D., et al. . . . 318
Mohrenweiser, H. W.: Functional hemizygosity in the human genome: direct estimate from twelve erythrocyte enzyme loci (Orig. invest.) . . . 241
Monaco, A. P., s. Hart, K. A., et al. . . . 88
Morgan, S. H., s. MacDermot, K. D., et al. . . . 263
Moser, H., s. Liechti-Gallati, S., et al. . . . 267
Müller, T., s. Weidinger, S., et al. . . . 286
Müller-Wiefel, D. E., s. Wirth, B., et al. . . . 221
Mulley, J. C., s. Callen, D. F., et al. . . . 236

Nakamura, S., Ohue, O., Abe, K.: A new BF F variant by polyacrylamide gel isoelectric focusing (Genetic variant register) 295
Natt, E., Westphal, E.-M., Toth-Fejel, S. E., Magenis, R. E., Buist, N. R. M., Rettenmeier, R., Scherer, G.: Inherited and de novo deletion of the tyrosine aminotransferase gene locus at 16q22.1→q22.3 in a patient with tyrosinemia type II (Orig. invest.) . . . 352
Neer, E. J., Michel, T., Eddy, R., Shows, T., Seidman, J. G.: Genes for two homologous G-protein α subunits map to different human chromosomes (Orig. invest.) . . . 259

Neugebauer, M., s. Wirth, B., et al. 221
Neumann, H. P. H., s. Wirth, B., et al. 221
Neumann, R., s. Giles, C. M., et al. 359
Niederwieser, A., s. Scriver, C. R., et al. 168
Nielsen, J., Pelsen, B.: Follow-up 20 years later of 34 Klinefelter males with karyotype 47,XXY and 16 hypogonadal males with karyotype 46,XY (Orig. invest.) 188
Nishigaki, I., s. Fukushima, Y., et al. 104
Nonoyama K., s. Barretto, O. C. de O. 201
North, M. O., s. Luciani, J. M., et al. 246

Oberlé, I., Camerino, G., Wrogemann, K., Arveiler, B., Hanauer, A., Raimondi, E., Mandel, J. L.: Multipoint genetic mapping of the Xq26–q28 region in families with fragile X mental retardation and in normal families reveals tight linkage of markers in q26–q27 (Orig. invest.) 60
O'Brien, S. J., s. Killen, P. D., et al. 318
Ohue, O., s. Nakamura, S., et al. 295
Ojwang, P. J., s. Lanclos, K. D., et al. 40
Olaisen, B., s. Geitvik, G. A., et al. 205
Orth, U., s. Weber, B., et al. 145
Oya, M., s. Komatsu, N., et al. 385

Palan, A., s. Madan, K., et al. 193
Palazzi, P., s. Calzolari, E., et al. 51
Pankau, R., Johannson, W., Grote, W., Dörner, K., Tolksdorf, M.: Interstitial deletion of chromosome 13 involving the region 13q14 (Clinical case report) 292
Pantzar, T., s. Kalousek, D. K., et al. 163
Paolella, G., Santamaria, R., Buono, P., Salvatore, F.: Mapping of a restriction fragment length polymorphism within the human aldolase B gene (Orig. invest.) 115
Papiha, S. S., s. Bonné-Tamir, B., et al. 76
Parenti, G., s. Ballabio, A., et al. 338
Parrington, J. M., West, L. F., Povey, S.: Loss of heterozygosity in hypotriploid cell cultures from testicular tumours (Orig. invest.) 269
Patracchini, P., s. Calzolari, E., et al. 51
Patterson, J., s. Lanclos, K. D., et al. 40
Pawlowitzki, I. H., s. Wahedi, K. 1
Peeper, D. S., s. Evers, M. P. J., et al. 182
Pellin, A., s. Gil, R., et al. 384
Pellin, A., s. López-Ginés, C., et al. 294
Pelsen, B., s. Nielsen, J. 188
Pembrey, M., s. Winter, R. 297
Pembrey, M. E., s. Malcolm, S., et al. 172
Perri, P., s. Calzolari, E., et al. 51
Persico, M. G., s. Ballabio, A., et al. 338
Peterson, D., s. Martin, R. H., et al. 108
Pfeiffer, R. A., s. Cremers, F. P. M., et al. 23
Picat, C., s. Lecomte, M. C., et al. 329
Piccirillo, A., s. Ballabio, A., et al. 338
Planta, R. J., s. Evers, M. P. J., et al. 182
Ploeg, M. van der, s. Landegent, J. E., et al. 366
Pol, T. J. R. van de, s. Cremers, F. P. M., et al. 23
Ponsà, M., s. Garcia, M., et al. 223
Povey, S., s. Parrington, J. M., et al. 269
Powell, L. W., Ferluga, J., Halliday, J. W., Bassett, M. L., Kohonen-Corish, M., Serjeantson, S.: Genetic hemochromatosis and HLA linkage (Orig. invest.) 55

Rademaker, A. W., s. Martin, R. H., et al. 108
Raimondi, E., s. Oberlé, I., et al. 60
Ramot, B., s. Bonné-Tamir, B., et al. 76
Rettenmeier, R., s. Natt, E., et al. 352
Ri, T., s. Tada, H., et al. 289
Robertson, M. E., s. Malcolm, S., et al. 172
Robinet-Levy, M., s. Yuasa, I., et al. 255
Roninson, I. B., s. Callen, D. F., et al. 142
Ropers, H. H., s. Cremers, F. P. M., et al. 23
Rosa, R., s. Barichard, F., et al. 283
Rousseau-Merck, M. F., Misrahi, M., Loosfelt, H., Milgrom, E., Berger, R.: Localization of the human progesterone receptor gene to chromosome 11q22–q23 (Orig. invest.) . . 280
Rumpler, Y., s. Luciani, J. M., et al. 246

Sahai, S., s. Bacchus, C., et al. 12
Saint Basile, G. de, s. Malcolm, S., et al. 172
Salvatore, F., s. Paolella, G., et al. 115
Sánchez, M. D., s. Gil, R., et al. 384
Sandre, R. M., s. MacDonald, I. M., et al. 233
Santamaria, R., s. Paolella, G., et al. 115
Sarto, G. E., s. Kuhn, E. M., et al. 214
Sasaki, M., Sugio, K., Soejima, J.-I., Ikeuchi, T., Tonomura, A., Iwama, T., Utsunomiya, J., Sasazuki, T.: Lack of association and linkage between HLA and familial polyposis coli (Orig. invest.) 36
Sasazuki, T., s. Sasaki, M., et al. 36
Scheffer, H., Kema, I. P., Kondo, I., Veen, A. Y. van der, Ikeuchi, T., Buys, Ch. H. C. M.: Localization at a subband level of polymorphic 13q14 DNA probes for diagnosis of hereditary retinoblastoma and Wilson disease 335
Schempp, W., s. Weber, B., et al. 145
Scherer, G., s. Natt, E., et al. 352
Schmid, M., Feichtinger, W., Deubelbeiss, C., Weller, E.: The fragile site (17)(p12): induction by AT-specific DNA-ligands and population cytogenetics (Orig. invest.) 118
Schmidtke, J., s. Cooper, D. N. 66
Schübbe, I., s. Eiben, B., et al. 137
Schwarzfischer, F., s. Weidinger, S., et al. 286
Scriver, C. R., Clow, C. L., Kaplan, P., Niederwieser, A.: Hyperphenylalaninemia due to deficiency of 6-pyruvoyl tetrahydropterin synthase. Unusual gene dosage effect in heterozygotes (Orig. invest.) 168
Sebastio, G., s. Ballabio, A., et al. 338
Seidel, H., s. Weber, B., et al. 145
Seidman, J. G., s. Neer, E. J., et al. 259
Senno, L. del, s. Calzolari, E., et al. 51
Serjeantson, S., s. Powell, L. W., et al. 55
Seshadri, R., s. Callen, D. F., et al. 142
Shinohara, T., s. Tada, H., et al. 289
Shows, T., s. Neer, E. J., et al. 259
Simmers, R. N., s. Callen, D. F., et al. 142
Soejima, J.-I., s. Sasaki, M., et al. 36
Sole, M. J., s. Jandreski, M. A., et al. 127
Soreq, H., Zamir, R., Zevin-Sonkin, D., Zakut, H.: Human cholinesterase genes localized by hybridization to chromosomes 3 and 16 (Orig. invest.) 325
Speer, A., s. Berger, W., et al. 197
Steffes, M. W., s. Jenkins, M. B. 80
Steinbach, P., s. Djalali, M., et al. 157
Stene, E., Stene, J., Stengel-Rutkowski, S.: A reanalysis of the New York State prenatal diagnosis data on Down's syndrome and paternal age effects (Controversy) 299
Stene, E., Stene, J., Stengel-Rutkowski, S.: On methodological issues regarding 47,+21 paternal age data (Controversy) 317
Stene, J., s. Stene, E., et al. 299, 317
Stengel-Rutkowski, S., s. Stene, E., et al. 299, 317
Sterz, H., s. Bacchus, C., et al. 12
Steyn, L. T., s. Brink, P. A., et al. 32
Stojanovski, N., s. Efremov, G. D., et al. 132
Stroh, H., s. Harris, P., et al. 95
Suenaga, K., s. Yuasa, I., et al. 255
Sugio, K., s. Sasaki, M., et al. 36
Sutherland, G. R., s. Callen, D. F., et al. 236
Szabo, P., s. Malcolm, S., et al. 172

Tada, H., Ri, T., Yoshida, H., Ishimoto, K., Kaneko, M., Yamashiro, Y., Shinohara, T.: A case of Shwachman syndrome with increased spontaneous chromosome breakage (Clinical case report) 289
Tammisalo, E., s. Alvesalo, L., et al. 345
Tamura, K., s. Arinami, T., et al. 92
Tariverdian, G., s. Harzer, K., et al. 342

Tenniswood, M. P. R., s. MacDonald, I. M., et al. 233
Therman, E., s. Alvesalo, L., et al. 345
Therman, E., s. Kuhn, E. M., et al. 210
Therman, E., s. Kuhn, E. M., et al. 214
Thibault, M.-C., s. Marcotte, M., et al. 200
Tolksdorf, M., s. Pankau, R., et al. 292
Tomter, H., s. Geitvik, G. A., et al. 205
Tonomura, A., s. Sasaki, M., et al. 36
Toth-Fejel, S. E., s. Natt, E., et al. 352

Umetsu, K., s. Yuasa, I., et al. 255
Uring-Lambert, B., s. Giles, C. M., et al. 359
Utsunomiya, J., s. Sasaki, M., et al. 36

Valentin, C., s. Barichard, F., et al. 283
Van der Westhuyzen, D. R., s. Brink, P. A., et al. 32
Van Dyke, D. L., Worsham, M. J., Weiss, L.: The human inactivated X chromosome folds in early metaphase, prometaphase, and prophase (Orig. invest.) 57
Veen, A. Y. van der, s. Scheffer, H., et al. 335
Villegas, A., s. Lanclos, K. D., et al. 40
Vink, A. C. G., s. Garcia, M., et al. 223

Wahedi, K., Pawlowitzki, I. H.: C-band polymorphisms of chromosome 9: quantification by C_e-bands (Orig. invest.) 1
Wainwright, B., s. Davies, K. A., et al. 122
Warburton, D. A., s. Aleixandre, C., et al. 46
Waterfield, M., s. Davies, K. A., et al. 122
Waye, J. S., Greig, G. M., Willard, H. F.: Detection of novel centromeric polymorphisms associated with alpha satellite DNA from human chromosome 11 (Orig. invest.) 151
Weber, B., Schempp, W., Orth, U., Seidel, H., Gal, A.: A Y/5 translocation in a 45,X male with cri du chat syndrome (Orig. invest.) 145
Weidinger, S., Müller, T., Schwarzfischer, F., Cleve, H.: Three new orosomucoid (ORM) variants revealed by isoelectric focusing and print immunofixation (Short comm.) 286
Weiss, L., s. Van Dyke, D. L., et al. 57
Weller, E., s. Schmid, M., et al. 118
West, L. F., s. Parrington, J. M., et al. 269
Westphal, E.-M., s. Natt, E., et al. 352
Wiberg, U. H., Fredga, K.: Steroid sulphatase levels are higher in males than in females of the root vole *(Microtus oeconomus)*. Yet another rodent with an active Y-linked allele? (Orig. invest.) 6
Wienker, T. F., s. Bissbort, S., et al. 277
Wieringa, B., s. Cremers, F. P. M., et al. 23
Willard, H. F., s. Waye, J. S., et al. 151
Williamson, R., s. Berger, W., et al. 197
Williamson, R., s. Davies, K. A., et al. 122
Wilson, J. B., s. Lanclos, K. D., et al. 40
Wilson, R. D., s. Kalousek, D. K., et al. 163
Wilson, T. M., s. MacDermot, K. D., et al. 263
Winking, H., s. Bacchus, C., et al. 12
Winking, H., s. Djalali, M., et al. 157
Winter, R., Pembrey, M.: Interpretation of the heterogeneity in the linkage relationships of DNA markers around the fragile X locus (Letter to the editors) 297
Wirth, B., Zerres, K., Fischbach, M., Claus, D., Neumann, H. P. H., Lennert, T., Brodehl, J., Neugebauer, M., Müller-Wiefel, D. E., Geisert, J., Gal, A.: Autosomal recessive and dominant forms of polycystic kidney disease are not allelic (Orig. invest.) 221
Wong, P., s. MacDonald, I. M., et al. 233
Wong, S. C., s. Lanclos, K. D., et al. 40
Worsham, M. J., s. Van Dyke, D. L., et al. 57
Wortelboer, H. M., s. Gille, J. J. P., et al. 28
Wrogemann, K., s. Oberlé, I., et al. 60

Yamada, Y., s. Killen, P. D., et al. 318
Yamamoto, J., s. Martin, R. H., et al. 108
Yamashiro, Y., s. Tada, H., et al. 289
Yong, S. L., s. Kalousek, D. K., et al. 163
Yoshida, H., s. Tada, H., et al. 289
Yuasa, I., Suenaga, K., Umetsu, K., Ito, K., Robinet-Levy, M.: Orosomucoid (ORM) typing by isoelectric focusing: evidence for gene duplication of ORM1 and genetic polymorphism of ORM2* (Orig. invest.) 255

Zakut, H., s. Soreq, H., et al. 325
Zamir, R., s. Soreq, H., et al. 325
Zang, K. D., s. Meese, E., et al. 349
Zeindl-Eberhart, E., Grohé, G., Klose, J.: Analysis of protein patterns from different organs and cell fractions of trisomy 19 mice (Orig. invest.) 371
Zelle, B., s. Evers, M. P. J., et al. 182
Zerres, K., s. Wirth, B., et al. 221
Zevin-Sonkin, D., s. Soreq, H., et al. 325

Announcement 386

Indexed in *Current Contents*